(No Model.)

B. HEWITT.

Plummer-Block.

No. 226,747. **Patented April 20, 1880.**

Fig. 1.

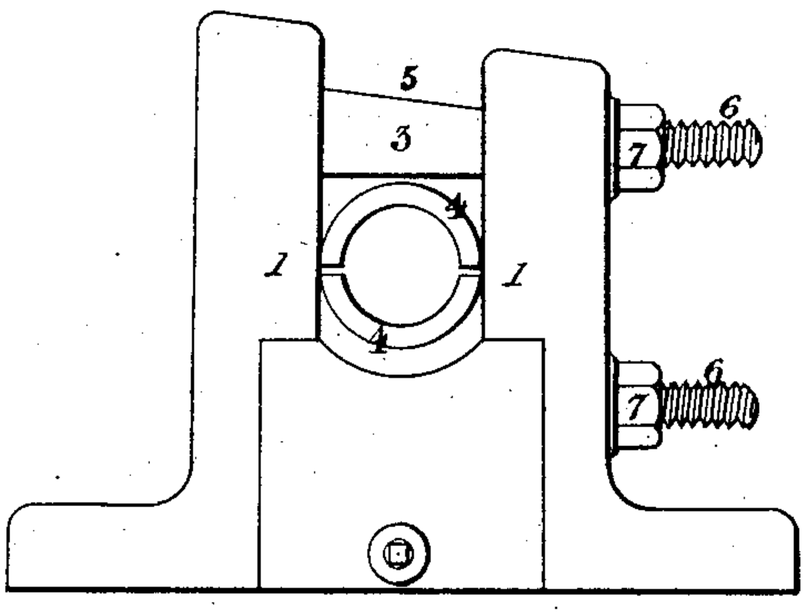


Fig. 2.

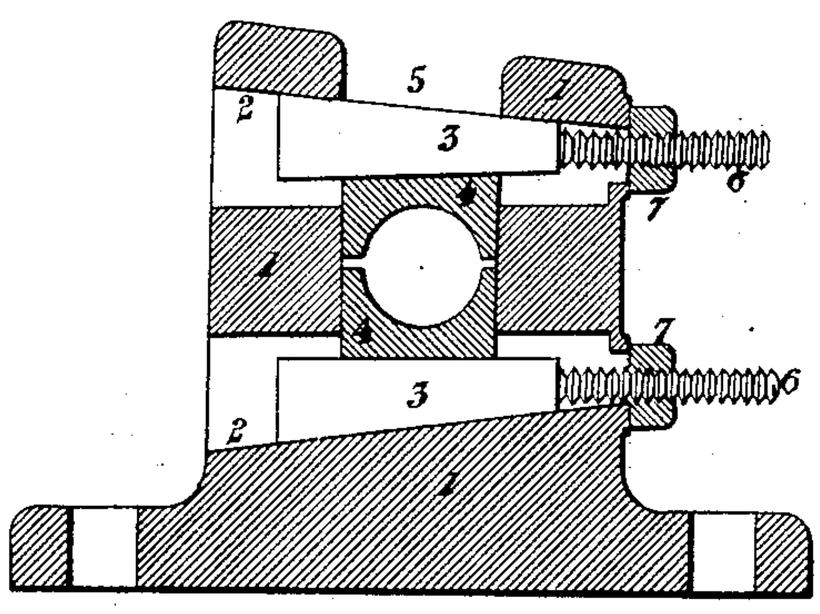


Fig. 3.

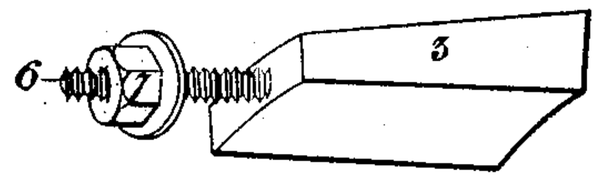


Fig. 4.

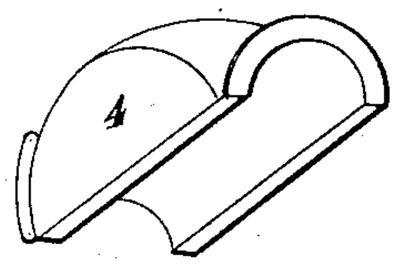
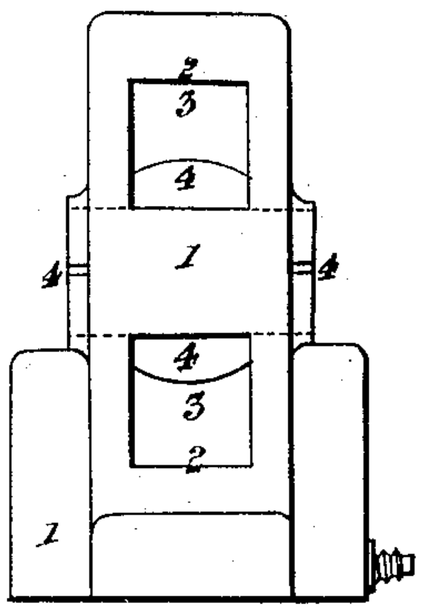


Fig. 5.



Attest:

J. A. Rutherford
J. Henry Kaiser.

Inventor:

Benjamin Hewitt.

By James L. Norris.

Atty.

UNITED STATES PATENT OFFICE.

BENJAMIN HEWITT, OF BIRMINGHAM, ENGLAND.

PLUMBER-BLOCK.

SPECIFICATION forming part of Letters Patent No. 226,747, dated April 20, 1880.

Application filed March 16, 1880. (No model.) Patented in England February 18, 1879.

To all whom it may concern:

Be it known that I, BENJAMIN HEWITT, residing at Birmingham, England, have invented new and useful Improvements in Plumber-Blocks and other Bearings, for which I have obtained a patent in Great Britain, No. 655, dated the 18th day of February, 1879, and of which the following is a specification, reference being had to the accompanying drawings, making part of this specification.

This invention, which relates to certain improvements in plumber-blocks and other bearings for machinery, has especial reference to improved means of adjusting the "brasses" or bearing-collars by which the shafting is supported in the block, so as to keep the same at all times true and parallel with the shafting, and to obtain a proper bed or seating for the shafting to revolve in without disturbing or packing the block itself, and so as to be able to raise or lower the bearings as the shafting may require through wear or other causes, and to facilitate the fitting of shafting to run truly both vertically and horizontally.

This invention consists in constructing plumber-blocks with upper and lower inclined surfaces, against which bear wedge-shaped adjusting-pieces, between which the brasses or bearings for supporting the shafting are placed, said plumber-blocks being provided with an opening at their upper part, to admit of the shafting being placed in position between the brasses or bearings.

In the drawings, Figure 1 is a side elevation of a plumber-block. Fig. 2 is a transverse section of the same. Fig. 3 is a detached perspective view of one of the adjusting-pieces. Fig. 4 is a detached perspective view of one of the brasses or bearings. Fig. 5 is an end view of the plumber-block.

Referring to the drawings, the numeral 1 designates my improved plumber-block, having a suitable base with openings for the passage of bolts, whereby it can be securely fixed to a supporting-base. This plumber-block is formed with upper and lower inclined surfaces, 2, against which bear the wedge-shaped adjusting-pieces 3, between which the brasses or bearings 4, for supporting the shafting, are placed.

The top of the block 1 is made open at the part 5, as shown in Figs. 1 and 2, to admit of the shafting being placed in position between the brasses, and the inclines 2 are formed by hollowing out the block transversely of the direction in line of the shafting, as shown best in Fig. 2.

Each adjusting-piece 3 is made or fitted with a screw pin or extension, 6, and its position is shifted and determined as desired by means of a nut, 7, thereon. Upon turning the nuts the pieces 3 are caused to move toward or away from them, and thus to raise or lower the brasses or bearings, as may be required.

Each piece is slightly hollowed out on its inner side, as shown in Fig. 3, and the brasses or bearings 4, (see Fig. 4,) against which the pieces 3 bear, are formed to a similar contour, as shown in Fig. 5, by which means they have such freedom of movement as will insure them keeping at all times true and parallel with the shafting, the latter at all times running truly, and being thus subjected to a minimum amount of friction.

The above-described improvements are applicable to all purposes in connection with machinery or other apparatus where similar adjustments are needed.

What I claim is—

1. A plumber-block or bearing for shafting, formed with an open top for the introduction of shafting, the brasses, or bearings, and with recesses having upper and lower inclined surfaces, 2 2, in combination with the wedge-shaped adjusting-pieces 3, having screw-extensions 6, substantially as described.

2. The combination, in a pillow-block, of the movable brasses or bearings having rounded or curved backs with the adjusting-pieces 3, having screw-extensions 6 and concave inner faces coinciding with the contour of the back of the brasses or bearings, substantially as described.

BENJAMIN HEWITT.

Witnesses:

WILLIAM HENRY ALLEN,

JOHN KENDRICK,

Birmingham, England.